

### **Amendments to the Specification:**

Page 8, delete paragraph on lines 25-35 to page 9, lines 1 to 13, paragraph beginning “The method according to”.

Page 8, before line 25 insert the following paragraph:

--A method according to the invention for changing a data transfer rate used in a part of a communications connection, in the method:

- a first processing method is chosen from a pre-determined set of processing methods,
- a first restoration method is chosen from a pre-determined set of restoration methods,
- information is processed using said first processing method at a first point of the communications connection,
- the information is transferred from the first point to a second point of the communications connection, data transfer rates used between the first point and the second point constituting a first set of data transfer rates,
- the information is restored using said first restoration method at the second point,
- at least one data transfer rate used between the first point and the second point is changed, the data transfer rates used after changing the at least one data transfer rate between the first point and the second point constituting a second set of data transfer rates,

wherein the method comprises:

- defining a set of compatible processing methods, each compatible processing method belonging to said pre-determined set of processing methods, having an output information rate that is lower than or equal to the lowest data transfer rate of said first set of data transfer rates and said second set of data transfer rates, and corresponding with a restoration method that belongs to said pre-determined set of restoration methods,
- selecting, prior to changing the at least one data transfer rate, a second processing method from the set of compatible processing methods, and
- replacing the first processing method with the second processing method and processing the information using the second processing method.

A system according to the invention for changing a data transfer rate used in a part of a communication connection, at least one part of said communication connection being a radio path, the system comprising:

- means for determining data transfer rates being used in parts of the communications connection, the data transfer rates being used in said parts constituting a first set of data transfer rates,
  - means for determining data transfer rates to be used next in said parts of the communications connection, the data transfer rates to be used next in said parts constituting a second set of data transfer rates,
  - processing means capable of performing information processing according to such a processing method that belongs to a pre-determined set of processing methods,
  - restoration means capable of performing information restoration according to such a restoration method that belongs to a pre-determined set of restoration methods,
  - first selection means for selecting a first processing method from the pre-determined set of processing methods in accordance with properties of an air interface associated with the radio path and for selecting a first restoration method that corresponds with the first processing method,
  - conveying means capable of conveying information about such a processing method that belongs to the pre-determined set of processing methods and information about such a restoration method that belongs to the pre-determined set of restoration methods to communications equipment on a route of the communications connection,
- wherein the system further comprises:
- means for defining a set of compatible processing methods, each compatible processing method belonging to said pre-determined set of processing methods, having an output information rate that is lower than or equal to the lowest data transfer rate of said first set of data transfer rates and said second set of data transfer rates, and corresponding with a restoration method that belongs to said pre-determined set of restoration methods,
  - second selection means for selecting, prior to a change from the first set of data transfer rates to a second set of data transfer rates, a second processing method from the set of compatible processing methods to be used by said communications equipment and for selecting a second restoration method, the second restoration method corresponding with the second processing method.--

Page 9, delete paragraph on lines 14-37, paragraph beginning “The system according to” in its entirety.

Page 9, before line 14 insert the following paragraph:

--A system according to the invention for changing a data transfer rate used in a part of a communication connection, at least one part of said communication connection being a radio path, the system comprising:

- means for determining data transfer rates being used in parts of the communications connection, the data transfer rates being used in said parts constituting a first set of data transfer rates,
- means for determining data transfer rates to be used next in said parts of the communications connection, the data transfer rates to be used next in said parts constituting a second set of data transfer rates,
- processing means capable of performing information processing according to such a processing method that belongs to a pre-determined set of processing methods,
- restoration means capable of performing information restoration according to such a restoration method that belongs to a pre-determined set of restoration methods,
- first selection means for selecting a first processing method from the pre-determined set of processing methods in accordance with properties of an air interface associated with the radio path and for selecting a first restoration method that corresponds with the first processing method,
- conveying means capable of conveying information about such a processing method that belongs to the pre-determined set of processing methods and information about such a restoration method that belongs to the pre-determined set of restoration methods to communications equipment on a route of the communications connection,

wherein the system further comprises:

- means for defining a set of compatible processing methods, each compatible processing method belonging to said pre-determined set of processing methods, having an output information rate that is lower than or equal to the lowest data transfer rate of said first set of data transfer rates and said second set of data transfer rates, and corresponding with a restoration method that belongs to said pre-determined set of restoration methods,

- second selection means for selecting, prior to a change from the first set of data transfer rates to a second set of data transfer rates, a second processing method from the set of compatible processing methods to be used by said communications equipment and for selecting a second restoration method, the second restoration method corresponding with the second processing method.--

Page 10, delete paragraph on lines 1-16, paragraph beginning “The invention is further” in its entirety.

Page 10, amend the paragraph beginning on line 17 as follows:

--A base station device according to the invention in a mobile network, which device comprises

- a means for selecting a processing ~~means~~ method according to radio path quality, and
- a means for conveying information about the processing ~~means~~ method and/or restoration ~~means~~ method to be used to other communications equipment, is characterized in that it comprises
- a means for receiving a command which limits the set of processing ~~means~~ method to be taken into use to a certain set and which cancels the selection of the processing means and/or restoration ~~means~~ method according to the radio path quality.--